

Manhole #1 is visible

Manhole #2 not found

Manhole #3 is visible

O23

Flush sewer & check
for grease buildup

Hickory Hills
Country Club

3909 E Cherry
(Farm Road 136)

3909 E. CHERRY

18
19

MHA19
3+80E
T-1316.21
FL-1311.35

87°10'

380

857

461

MHA18
2+81E
0+00W
T-1315.49
FL-1309.25

2

87°10'

281

023NE

MHA17
1+96E
0+00W
T-1316.71
FL-1307.68

3

477

87°10'

196

87°10' FROM
0+00 TO 0+53

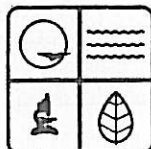
MHA16
3+94E
0+00W
T-1318.49
FL-1306.54

4

87°10'

394
5

JOSEPH P. TEASDALE
GOVERNOR



CAROLYN ASHFORD
DIRECTOR

missouri department of natural resources

2010 Missouri Blvd.
P.O. Box 1368 Jefferson City, Missouri 65101 314-751-3241
LABORATORY SERVICES PROGRAM

REPORT OF SAMPLE ANALYSIS

August 10, 1977

Sample Description Hickory Hill Country Club No. 77-8027

Collected By C. Kroeger Region SRO Date 7-28-77

Remarks _____

<u>PARAMETER</u>	<u>mg/l</u>	<u>PARAMETER</u>	<u>UNITS</u>
BOD	16	pH	
COD		*Temperature °C	
Suspended Solids (NFS)	13	Specific Conductance	
Ammonia as N		umhos @ 25 °C	
Nitrate + Nitrite-N			
Total Nitrogen (TKN)		Fecal Coliform	
Orthophosphate as P		Bacteria per/100 mls.	37,500
Total Phosphorus			
Alkalinity			

The analysis of this sample was performed in accordance with procedures as outlined in the latest edition of Standard Methods for the Examination of Water and Wastewater, EPA manual of Methods for Chemical Analysis of Water and Wastes, and/or Annual Book of ASTM Standards.

James H. Long
Director
Laboratory Services

JHL:mh

*Analysis performed by collector.

3209 E. Cherry

May 25, 1977

✓ 3.130 Greene County
Hickory Hills Country Club

Hickory Hills Country Club
P. O. Box 3361 G.S.
Springfield, MO 65804

Dear Sirs:

Plans and specifications for wastewater works to serve the Hickory Hills Country Club have been reviewed and approved by the Division of Environmental Quality, as evidenced by Construction Permit Number 23-704 which is attached to this letter. This permit authorizes construction of the facilities described on the permit, and is issued in accordance with regulations of the Missouri Clean Water Commission. Approval of the Division of Environmental Quality must be obtained prior to making any changes in the plans and specifications for the work described in the permit. This permit will terminate by its own terms one year from the date of issuance unless justification is presented for extension.

COMMENTS:

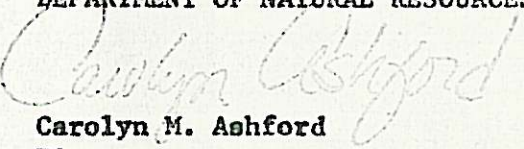
Issuance of this permit is conditional upon the outcome of the public notice period for the National Pollutant Discharge Elimination System permit.

Following completion of construction a letter from the consulting engineer certifying construction is in accordance with approved plans and specifications shall be submitted to this agency.

Should you have any questions, please do not hesitate to contact this office.

Yours truly,

DEPARTMENT OF NATURAL RESOURCES


Carolyn M. Ashford
Director

CMA/JRN/SSK/cg

Enc.

C.C. Tom Netzer, P.E., Wright & Associates
Greene County Planning & Zoning
Water Quality Program, Central Office

3909 E. Cherry

DEPARTMENT OF NATURAL RESOURCES

MISSOURI CLEAN WATER COMMISSION

CONSTRUCTION PERMIT

The Missouri Clean Water Commission hereby issues a permit to:

Hickory Hills Country Club
P.O. Box 3361 G.S., Springfield, MO 65804

for the construction of (describe facilities):

Improvements to the existing sewage facilities to include, filleting the bottom and baffling the outlet of the settling tank, a 6' x 6' x 6' wet well and submersible sewage pump, distribution system for the sand filters, and a 4' x 4' x 4' chlorine contact chamber. These facilities will serve the Hickory Hills Country Club with a design flow of 10,000 gal./day.

Permit Conditions:

The bottom of the pump pit shall be filleted to prevent the accumulation of solids.

Construction of such proposed facilities shall be in accordance with the provisions of the Missouri Clean Water Law as located in Chapter 204 RSMo, Supplement 1973 and regulations promulgated thereunder, or this permit may be revoked by the Missouri Clean Water Commission.

As the Department of Natural Resources does not examine structural features of design or the efficiency of mechanical equipment, the issuance of this permit does not include approval of these features.

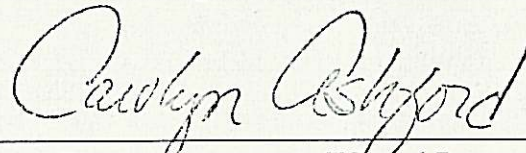
A representative of the Department may inspect the work covered by this permit periodically during construction. Issuance of an operating permit by the Commission will be contingent on the work substantially adhering to the approved plans and specifications.

May 25, 1977

Date

WQP 3.34
Rev. 4/75

\$25 Filing Fee Paid
Receipt No. SP-380



Director, Department of Natural Resources

This is NOT a National Pollution Discharge Elimination System (NPDES) Permit.

3909 E. Cherry

CITY OF SPRINGFIELD, MISSOURI
SOUTHWEST WASTEWATER TREATMENT PLANT
LABORATORY ANALYSIS REQUEST

DATE IN: 6/21/77

SAMPLE DESCRIPTION AND PHYSICAL APPEARANCE: _____

Nickory Hills Treatment

CHECK ANALYSIS DESIRED:

✓ SUSPENDED SOLIDS 20 mg/l Date: _____

✓ BOD₅ 9 mg/l Date: _____

COD _____ mg/l Date: _____

✓ pH 7.73 Date: _____

✓ NH₃-N 6.2 mg/l Date: _____

PO₄ ORTHO _____ mg/l Date: _____

CARBON C_T _____ C_I _____ C_O _____ Date: _____

TOXICITY _____ Date: _____

HEAVY METALS (SPECIFY): _____

_____ Date: _____

OTHER (SPECIFY): Fecal Coliform - 480,000 / 100 ml

_____ Date: _____

REPORT OUR: Date: 6/28/77

By: J. Reeve

3909 E. Cherry